#include<Servo.h>

Servo myservo;

int trigpin=2;

int echopin=3;

void setup()

{

pinMode(trigpin, OUTPUT);

pinMode(echopin,INPUT);

Serial.begin(9600);

myservo.attach(11);

}

void loop()

{

digitalWrite(trigpin,HIGH);

delay(1000);

digitalWrite(trigpin,LOW);

int duration=pulseIn(echopin,HIGH);

int distance=(duration\*0.034)/2;

delay(800);

myservo.write(90);

Serial.println(distance);

if(distance<100){

myservo.write(180);

delay(1000);

}

}